secuTrialRshiny - a walkthrough

Patrick R. Wright, Milica Markovic, Alan Haynes

2020-03-06

Contents

Introduction

This R package provides functions for creating and running a Shiny web application for handling data from the clinical data management system (CDMS) secuTrial. This package builds on SCTO's data management R package secuTrialR. The package is developed and maintained by the Swiss Clinical Trial Organisation (SCTO).

This vignette will teach you how to use the `secuTrialRshiny` package.

Installing

Let's get started by installing the package straight from GitHub and then loading it. For this you will need to have `devtools` installed.

```
# install
devtools::install_github("SwissClinicalTrialOrganisation/secuTrialRshiny")
```

To run the app localy on your computer after installation, run

```
secuTrialRshiny::run_shiny()
```

Disclaimer

The descriptions of the secuTrial exports used in this vignette and other `secuTrialR` and `secuTrialRshiny` documentation correspond to our understanding of them and come with no warranty. For in depth details please refer to the original secuTrial manuals.

The `sessionInfo()`

```
sessionInfo()
#> R version 3.6.2 (2019-12-12)
#> Platform: x86_64-suse-linux-gnu (64-bit)
#> Running under: openSUSE Leap 42.3
#>
#> Matrix products: default
#> BLAS:   /usr/lib64/R/lib/libRblas.so
#> LAPACK: /usr/lib64/R/lib/libRlapack.so
#>
#> locale:
#>  [1] LC_CTYPE=en_GB.UTF-8       LC_NUMERIC=C
#>  [3] LC_TIME=en_GB.UTF-8        LC_COLLATE=en_GB.UTF-8
#>  [5] LC_MONETARY=en_GB.UTF-8    LC_MESSAGES=en_GB.UTF-8
#>  [7] LC_PAPER=en_GB.UTF-8       LC_NAME=C
#>  [9] LC_ADDRESS=C               LC_TELEPHONE=C
#> [11] LC_MEASUREMENT=en_GB.UTF-8 LC_IDENTIFICATION=C
#>
#> attached base packages:
#> [1] stats     graphics  grDevices utils     datasets  methods   base
#>
```

```
#> other attached packages:
#> [1] rmarkdown_1.13 knitr_1.23    lintr_1.0.3
#>
#> loaded via a namespace (and not attached):
#>  [1] Rcpp_1.0.2          secuTrialRshiny_0.0.1 digest_0.6.21
#>  [4] packrat_0.5.0       magrittr_1.5          evaluate_0.14
#>  [7] rlang_0.4.4         stringi_1.4.3         lazyeval_0.2.2
#> [10] rstudioapi_0.10     rex_1.1.2             tools_3.6.2
#> [13] stringr_1.4.0       tinytex_0.14          igraph_1.2.4.1
#> [16] yaml_2.2.0          xfun_0.8              compiler_3.6.2
#> [19] pkgconfig_2.0.3     htmltools_0.4.0
```